GM

General Motors Corporation
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NHTSA-98-3585-17

37683

March 18, 1998

The Honorable Philip R. Recht
Deputy Administrator
NATIONAL HIGHWAY TRAFFIC
SAFETY ADMINISTRATION
400 Seventh Street, S. W., Room 5220
Washington, DC 20590

Dear Mr. Recht:

Re: **Settlement Agreement**
Section E. Burn & Trauma Research

Enclosed is the proposed Statement of Work for Year 3 for the following project:

E. 1 Fund Data Collection on Crashes, Injuries, and Their Consequences.

Please advise whether you concur in the proposed Statement of Work.

Sincerely,

David A. Collins
Attorney

c: James A. Durkin, Esq.

Enclosure

Project E.1

Statement of Work

Year 3

GM/DOT Project Number, Title and Budget:

E.1 Fund Data Collection on Crashes, Injuries, and Their Consequences **($900,000)**

Project Description:

The intent of this project is to establish a trauma network to collect crash and injury data, which will include geographic and demographic data, crash scene data, prehospital and hospital medical data, and rehabilitation and residual medical condition data. It is expected that the resulting database will facilitate improvements in both the delivery of acute medical care for bum and impact injuries and the engineering of vehicles. The data will be used for both retrospective and prospective studies, including EMS outcomes research.

The centers funded by General Motors under this project, together with the four centers funded by the NHTSA, will collect vehicle crash and injury data from locations in the east, mid-west, and west. It is expected that all participating trauma centers will use the Automated Data Processing System developed in Project E.3 (Establish a Network for Data Collection on Crashes, Injuries and Their Consequences).

GM Project Manager: Ian V. Lau, Ph.D.
GM Safety Research
Mail Code 480-I 03-001
30500 Mound Road
Warren, MI 48090-9055

Principal Investigators: David C. Grossman, M.D.
Harborview Injury Prevention and Research Center
Seattle, Washington

Stewart C. Wang, M.D., Ph.D.
The University of Michigan Trauma Burn Center
Ann Arbor, Michigan

Gail F. Cooper, David Hoyt, M.D. and Brent Eastman, M.D.
San Diego County Trauma System
San Diego, California

Research Plan: This is a continuation of the project started in the first year of the settlement agreement. The tasks to be undertaken in the third year of the settlement agreement are:

1. Continue to collect occupant information and injury data, including a narrative description of all injuries, prehospital and hospital medical data, rehabilitation and residual medical condition data, and medical costs.

2. Continue to collect crash reconstruction data, including detailed scene and vehicle photographs.
3. Undertake to reconstruct the crash in approximately 50 cases per year per center. This analysis will attempt to determine the location, direction and magnitude of the vehicle impact(s) and their relation to the passenger compartment contact points that appear to have been involved in producing the injuries.
4. Seek opportunities to present seminars to engineering and/or medical schools associated with their own trauma center to encourage the participation of these schools in CIREN and to foster multidisciplinary dialogue and study of the science of motor vehicle trauma and crash analysis.
5. The principal researchers and their key personnel from the three centers sponsored by GM will meet not less than semi-annually with their counterparts from the NHTSA-sponsored trauma centers to report on their progress and findings.
6. The principal researchers and their key personnel from the three centers sponsored by GM will meet with their counterparts from the NHTSA-sponsored trauma centers to develop a plan for dissemination of research results to engineering, medical and health care communities, and to increase the dialogue between representatives of these various communities and disciplines. The plan shall identify conferences or other means for achieving wide dissemination to these multidisclipinary communities.
7. The San Diego County Trauma System will continue to recruit additional hospitals within the county to collect "inclusive" data, i.e., data collected from all hospitals that see trauma patients in San Diego County.

Expected Results: This project will involve a systematic collection and evaluation of new data concerning motor vehicle crashes by a multicenter network.

- For medical and health care professionals, the multicenter network will serve as a robust early warning system for emerging new injury patterns, diagnoses, and potential treatments.
- For engineers, the multicenter network will serve as a robust early warning system for emerging injury patterns associated with design changes in vehicles or highways, or changes in behavior.
- For crash investigators and analysts, the multicenter network will facilitate evaluation of new practices in crash data collection and analysis.
- For the general public, the multicenter network will provide an opportunity for leaders in the fields of medicine, health care, engineering and crash analysis to work together and contribute to a better understanding of motor vehicle trauma and crash analysis.
- The outcomes/products of this project are expected to include approximately 50 cases per year per center and one or more professional journal publications or professional meeting presentations.

Allocation of Budget: This project will be funded for Year 3 as follows:

$300,000:	The Regents of the University of Michigan
$300,000~.	The University of Washington
$300,000'.	San Diego County Trauma System

Expected Duration: This project is expected to be completed in Year 4 of the Settlement Agreement.

DRAFT

Project **E.1**

Statement of **Work**

Year 3

GM/DOT Project Number, Title and Budget:

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